

WHAT IS CLAIMED IS:

1. A method for authenticating a recording medium, the method comprising the steps of:

5 acquiring, from the recording medium, unique data that is recorded on an information track on the recording medium in accordance with a predetermined rule; and
authenticating the recording medium based on the unique data acquired in the data acquisition step.

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2. A method according to claim 1, wherein the predetermined rule is based on a plurality of types of recording methods.

15 3. A method according to claim 2, wherein the plurality of types of recording methods comprises an uninterrupted recording method and an incremental recording method.

20 4. A method according to claim 3, wherein the uninterrupted recording method is a track at once recording method, and the incremental recording method is a packet write recording method.

25 5. A method according to claim 1, wherein the unique data comprises information for identifying the recording

method.

6. A method according to claim 1, wherein the unique data comprises at least one of data in a track descriptor
5 unit and data in a sub-code control.

7. A method according to claim 1, wherein the unique data comprises data within a runout.

10 8. A method according to claim 1, wherein the unique data comprises data within a predetermined packet.

9. A method according to claim 1, wherein the unique data comprises data that is recorded in multiple sessions.

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10. A method according to claim 1, wherein the unique data comprises data that is recorded in a variable packet.

11. A method for authenticating a recording medium, the
20 method comprising the steps of:

acquiring, from the recording medium, unique data that is recorded in a variable packet on an information track on the recording medium in accordance with a predetermined rule; and

25 authenticating the recording medium based on the unique

data acquired in the data acquisition step.

12. A method according to claim 11, wherein the recording medium has, in a first session, a second track as a 5 dummy track not present in the ISO 9660 file system and wherein the information track comprises an LIA (lead in area) and a PMA (program memory area).

13. A method according to claim 12, wherein the unique 10 data comprises track information.

14. A method according to claim 13, wherein the track information identifies a recording method of the track.

15 15. A method according to claim 13, wherein the track information identifies a recording position of the track.

16. A method according to claim 12, wherein the recording medium records data in multiple sessions.

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17. A method according to claim 16, wherein the information track comprises a PMA and a second track that is additionally recorded.

25 18. A method according to claim 17, wherein the unique

data of the second track that is additionally recorded comprises a disk ID.

19. A computer program for causing a computer to
5 perform an instruction for authenticating a recording medium,
the instruction comprising the steps of:

acquiring, from the recording medium, unique data that
is recorded on an information track on the recording medium
in accordance with a predetermined rule; and

10 authenticating the recording medium based on the unique
data acquired in the data acquisition step.

20. A computer readable recording medium storing a
computer program for causing a computer to perform an
15 instruction for authenticating a recording medium, the
instruction comprising the steps of:

acquiring, from the recording medium, unique data that
is recorded on an information track on the recording medium
in accordance with a predetermined rule; and

20 authenticating the recording medium based on the unique
data acquired in the data acquisition step.

21. A computer readable recording medium comprising a
read-only memory area and a read and write memory area, and
25 storing, on the read and write area, a computer program for

causing a computer to perform an instruction for authenticating a recording medium, the instruction comprising the steps of:

acquiring, from the recording medium, unique data that
5 is recorded on an information track on the recording medium
in accordance with a predetermined rule; and
authenticating the recording medium based on the unique
data acquired in the data acquisition step.

10 22. An optical disk drive system, comprising:
a memory storing a program; and
a processor configured to execute the program stored in
the memory,
wherein the program includes an instruction for
15 authenticating a recording medium, the instruction comprising
the steps of:
acquiring, from the recording medium, unique data that
is recorded on an information track on the recording medium
in accordance with a predetermined rule; and
20 authenticating the recording medium based on the unique
data acquired in the data acquisition step.